



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

TOMICH, John M. et al.

Serial No. : 09/710,419

Filed: November 9, 2000

M2GLYR DERIVED CHANNEL
FORMING PEPTIDES

Docket No. 30917

Group Art Unit No. 1646

Examiner: Joseph F. Murphy

12/D
M9.9
6/3/03

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Commissioner of Patents
Alexandra, VA 22313-1450

MAY 30 2003

TECH CENTER 1600/2900

Sir:

AMENDMENT AND RESPONSE

In response to the office action dated February 25, 2003, amendment and reconsideration of
the above application is requested.

06/03/2003 STRAHMEL 00000001 190522 09710419

01 FC:2202 27.00 CH

Claims:

~~Please cancel claims 30-36.~~

Please add the following new claims:

49. A method of altering the flux of water across an epithelial cell presenting first and second spaced apart surfaces, said method comprising the steps of:

- D
- a. providing a peptide having from about 16-31 amino acid residues and being capable of forming a channel assembly for transport of anions through said epithelial cell, said peptide comprising a plurality of polar amino acid residues at either the N- or C- terminus of said peptide and at least two